

The technical drawings include a side elevation and a plan view. The side elevation shows the post assembly with dimensions: 1200 (total height), 800 (height to top of socket), 709.4 (height to top of rope D), 650 (height to top of rope B & C), and 487.5 (height to top of rope A). It also shows a 400 (width of the socket) and a 312.5 (width of the rope assembly). The plan view shows the circular base with a diameter of 62.5 Min. and a hole diameter of 46.9. A detail of the post cap is shown at the top left.

300 Dia.

Reinforcing Ring

62.5 Min.


46.9

Plan View

| TENSION CHART | |
|---------------------|--------------|
| Ambient Temperature | Rope Tension |
| C | KN |
| 38 | 9.4 |
| 35 | 11.25 |
| 30 | 14.00 |
| 25 | 16.75 |
| 20 | 19.50 |
| 15 | 22.25 |
| 10 | 25.00 |
| 5 | 27.75 |
| 0 | 30.50 |
| -5 | 33.25 |
| -10 | 36.00 |
| -18 | 40.40 |

- ① Posts 5 thru 19 are non-slotted line posts.
- ② Slightly dome top of concrete foundations to minimize drainage into socket.
- ③ Every 4th 'LON' post shall have an amber reflectors on one side (facing traffic).

All dimensions given in millimeters unless noted.

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| M | Iowa Department of Transportation Highway Division | |
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| | STANDARD ROAD PLAN | |
| | RE-80(2) | |
| | REVISION: NEW. | |
| METRIC VERSION | <i>William J. Stuenkel</i> | |
| | APPROVED BY DESIGN METHODS ENGINEER | |
| | REVISION NO. NEW | |
| | REVISION DATE 10-19-04 | |
| | WIRE ROPE SAFETY BARRIER (Sheet 2 of 2) | |